## 1,800 Russians At Jork ant to Ablo , 3 alfui. U.S. Trails in Distributing Science

By WELDON WALLACE

cluding aeronautics, American science as a whole knows very ence information. little about Russian research, though extensive Soulet material is available, and Russis has shown enthusiastic co-operation lished here, scientists may not in sending its publications to know where to put their hands this country.

The United States has no central source to which scientists can turn to keep abreast of advances made in other parts of the world.

Big Staff Maintained

By contract, the Soviet Government maintains a huge central agency, with a staff esti-mated at 1,800 persons, to col-lect the best reports from all over the world and distribute them to Russian scientists.

In the United States, reports About 35 Russian scientific riodicals that come out at regu-from abroad are translated and pournals now are being translar times and other periodicals distributed on an irregular and lated by various agencies, govunco-ordinate basis. Scientific societies act individually in this endeavor, and the Government sponsors some translating and Ralph E. O'Dette, of the Na the Russian pournals are the acting through tional Science Foundation. distribution. agencies of rather specific scope.

lated materials gets into the material?

The canal institutes of the papers is hands of American scientific grant of the papers is chosen by the staff of an information of the papers is chosen by the staff of an information of the papers is chosen by the staff of an information is near or near any staff. The canal scientific research in American institute of Thysics of the papers is chosen by the staff of an information is near or near any staff. A certain percentage of transtribution is poor or non-existent, the Soviet Union," Mr. O'Dette and the American Institute of

program director for foreign sci-

Check is Difficult

has been translated and pubon it, for there is not sufficient time or opportunity to check different sources to search the literature.

In aeronautics, the very field highlighted by the sputniks. American use of Russian reports has lagged far behind Russian

who is assocated with the Na- use of world-wide materials, ac- Russia showed no such willing-In various important fields, in- tional Science Foundation as cording to a report from the ness to share, it was stated, but Pergamon Institute, a non-profit especially within the past two to translate Russian materials strated eagerness to have wide Even when foreign material on aeronautics and controlled distribution of their materials flight.

Soviets Send Materials

The presidium of the Russian Academy of Sciences sends the Pergamon Institute advance done which is not published in page proofs and illustrations of the open literature. various journals it publishes. The Institute of Mechanics of Russia has agreed to perform a dmilar service.

Under the Stalin regime,

foundation set up in New York years, Russians have demonthat are available in the open literature.

Of course, no one can say what research they may have

Hopkins Man Asked To Aid

A Baltimore scientist. Dr. Mark V. Markovin, of the Johns Hopkins University, has been invited to assist in the Pergamon Institute's translating activities.

One of the needs in distributing scientific reports is for some kind of evaluation service, Dr. Morkovin said. He pointed to a large stack of periodicals on his desk and said, "These come in here, and while a few of them are worth reading, many are not."

Under the Soviet system as described by Mr. O'Dette, material is selected carefully from among 10.000 world-wide scientific periodicals annually.

(Continued, Page 2, Column 3)

## 35 Soviet Journals Studied

ernmental and private, in the United States, it is estimated by

Does this seem like an adequate review of the available

according to Raiph E. O'Dette, said. These sources include pe Biological Sciences.

About 35 Russian scientific; riodicals that come out at reguthat appear at irregular intervals durin gthe year.

Among the American organimations engaged in translating following:

The National Science Foundation, the National Institutes of

TOUR SHE DURKER SHE

## Approved For Resast 2003/91/Bedri Forts 101661000260070007-3

## In Distributing Science Data

By WELDON WALLACE (Continued from Page 1)

This group is said to total at phone book without names."

The papers they select are fessor of chemistry at the Hopfarmed out all over Russia to an estimated 20 000 scientists, who make abstracts of the material and send them to the feel that even though the chemistry does are eventually to the cell society does are event institute.

one or more of some fifteen more in the way of evaluating preference journals published the material chosen.

Others Behind

A single paper will appear in stated, several journals if it is perfinent to different fields. This practice Physics, for example, translates

the intense interest aroused by ferial from over the work state
the spurnicks, the effort would
be particularly wasteful, he
added, for there are tew persons
in the United States who know
both the Russian language and
the technical subjects.

Tom over the work state
make it accessible to American
make it acce the technical subjects.

the technical subjects.

Budgeting Needed
In aeronautics, he estimated, no more than 20 to 30 persons would fill both qualifications.

Their efforts, therefore, must be carefully budgeted.
In some subjects covered extensively by the Russians there are no American services for making abstracts of foreign publications. Mr. O'Dette listed among these the following: Engineering, astronomy and geodesy
The Soviet institute not only

The Soviet institute not only sends out its monthly reference forms a useful service by transfournals but also it operates an "express" service for the rapid distribution of highly important European accessions. papers as soon received as they are

Chemical Group Praised

Chemical Group Praises York to get translations of 1017 In comparing the Soviet and eign scientific literature.

American systems of distributing scientific material, one has relatively new group, also reto keep in mind that they reflect ceives support from government different political philosophies, agencies.
Mr. O Dette emphasized. One
A private of the private would expect centralized control has made an important contribuin Russia.

As an example of effective the Consultants Bureau in New accomplishment under the free York, a pioneer in the field, enterprise system, Mr. O'Dette Helped Form Publication enterprise system, Mr. O'Dette Society's publications.

came from foreign periodicals, Research. including Russian.

Next year the society will publish 115,000 abstracts.

Project Called Best

About 1,600 volunteers among scientists all over the world collect papers for this project and make abstracts.

The chemical society's index-

Each abstract is printed in job, there is still a need to do

ment

Each journal is devoted to one field such as physics, chemistry, metallurgy, mathematics, biology, astronomy and others.

Duplication Avoided

A single maper will appear in the defended on research it was

O'Dette explained, for without a central service, several so-creties might translate the same paper.

When German scientific re-might translate the same by the German scientific re-might translate the same physics Abstracts, published in Britain, to keep up with world-might re-might translate the same physics abstracts, published in Britain, to keep up with world-might re-might re-might

When German scientific reports began to become available toward the end of World War II. as many as ten different groups in the United States translated the same material according to Dr. Morkovin.

If a similar duplication of Russian material should follow the intense interest aroused by the collect much material from over the world and the same interest aroused by the same interest arouse

Government agencies support the United States Joint Publi cations Research Service in New York to get translations of for-

A private organization that tion in scientific translation is

Dr Morkovin, in addition to his work at the Hopkins, is one with a staff of more than 150 of about 600 secentists who eval-at Columbus Ohio, the society nate reports and make abstracts published 100,090 chemical about or a publication called Apolice stracts last year, tapping some Mechanics Reviews, which he 7.000 different journals for ma heped to organize in 1948 while terral, at least half of which erving with the Office of Neval



Approved Ford Rejease 2003/01/30 to GIA-RI adding that a collection of abstracts without an adequate index is "something like a tele-